

Air Monitoring Data Inventory for the Richmond-San Pablo Area

This inventory lists and describes the various air monitoring datasets that exist for the Richmond-San Pablo Area, including monitoring projects that are part of the ongoing AB 617 efforts and projects outside of AB 617. This inventory will be updated as information changes and as new datasets become available. Links are also provided for more detailed information on each dataset.

Dataset	Data Description	Locations	Pollutants/parameters	Links to data and information
BAAQMD Fixed-Sites	Regulatory; required by Air District, CARB, and US EPA programs	San Pablo	O ₃ , CO, NO, NO ₂ , SO ₂ , PM ₁₀ , PM _{2.5} , gas air toxics	Real-time data (except PM₁₀ and air toxics) Historical data on EPA's AirData page BAAQMD Monitoring Network Information
		Richmond	SO ₂ , H ₂ S, gas air toxics	
		Point Richmond	H ₂ S	
Chevron's Community Monitoring	Non-regulatory; required by the City of Richmond	Atchison Village North Richmond Point Richmond	Black Carbon, PM _{2.5} , H ₂ S, BTEX and other gas air toxics, meteorology	Real-time data page for Refinery Community Monitoring
Chevron Refinery Fenceline Monitoring	Monitoring for compliance with Air District Rule 12-15	Along the Chevron refinery fenceline	H ₂ S, SO ₂ , BTEX, Butane, Ethane, Methane, Propane, Pentane	Real-time data page for Refinery Fenceline Monitoring Fenceline monitoring plans
Chevron Refinery Ground-Level Monitoring	Monitoring for compliance with Air District Rules 9-1 and 9-2	Three locations within Chevron fenceline	SO ₂ and H ₂ S Meteorology	BAAQMD Rule 9-1: Sulfur Dioxide BAAQMD Rule 9-2: Hydrogen Sulfide
Aclima	Mobile monitoring conducted Aug-Oct 2019	Throughout Richmond-San Pablo	PM _{2.5} , NO ₂ , O ₃ , CO, CO ₂	Aclima Insights Website
PSE Healthy Energy	Aeroqual sensor network; CARB AB 617 grantee	50 locations across Richmond-San Pablo	PM _{2.5} , NO ₂ , O ₃ , temperature, relative humidity, and dew point	Project information page Real-time data page
Groundwork Richmond	Clarity sensor network; CARB AB 617 grantee	52 locations across Richmond-San Pablo	PM _{2.5} , NO ₂	Air Rangers Project Information Clarity Open Map (real-time data)
BEACO₂N	UC Berkeley low-cost sensor network	15+ locations across Richmond-San Pablo	CO ₂ , CO, NO, NO _x , O ₃ , PM	Data, map, and information page
PurpleAir	Public-operated sensor network	20+ locations across Richmond-San Pablo	PM _{2.5} , PM ₁₀	Real-time data page